

WHAT IS CLAIMED IS:

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1        1. A monitor system comprising:  
2              a host computer;  
3              a first monitor connected to said host computer;  
4              a second monitor, smaller than said first monitor; and  
5              a video driver in said host computer for providing a portion of a display on  
6              said first monitor to said second monitor.

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1        2. The system of claim 1 further comprising a shared peripheral bus  
2              connected between said host computer and said second monitor.

1        3. The system of claim 2 wherein said second monitor is powered by said  
2              shared peripheral bus.

1        4. The system of claim 2 wherein said shared peripheral bus is a universal  
2              serial bus.

1        5. The system of claim 1 wherein said portion of a display comprises a  
2              separate window from said first monitor.

1        6. The system of claim 1 wherein said portion of a display is provided  
2              only to said second monitor.

1        7. The system of claim 1 further comprising a compression unit for  
2              compressing said portion of said display for transmission to said second monitor.

1        8. The system of claim 1 further comprising a software operating system  
2              controlling said first computer, said operating system controlling the transmission of  
3              video data to said second monitor.

1        9. The system of claim 1 wherein said second monitor includes:  
2              a display screen;  
3              a display controller coupled to said display screen;  
4              a video memory coupled to said display controller; and  
5              a bus interface coupled to said video memory.

1           10. The system of claim 1 wherein a display screen on said second  
2 monitor is less than 8.5 inches diagonally.

1           11. The system of claim 1 wherein said second monitor includes a touch  
2 screen.

1           12. The system of claim 1 wherein said second monitor includes icons for  
2 control of a display on said first monitor.

1           13. The system of claim 1 wherein said second monitor includes a  
2 transmission capability for providing data to said computer on the activation of buttons or  
3 icons on said second monitor.

1           14. The system of claim 13 wherein said transmission capability is  
2 wireless.

1           15. A monitor system comprising:  
2           a host computer;  
3           a shared peripheral bus connected to said host computer;  
4           a first monitor connected to said host computer;  
5           a second monitor, smaller than said first monitor, connected to said shared  
6 peripheral bus, said second monitor including  
7           a display screen on said second monitor of less than 8.5 inches diagonally;  
8           a display controller connected to said display screen,  
9           a video memory connected to said display controller,  
10          a bus interface connected to said video memory, and  
11          a power input connected to said bus so that the power for said second  
12 monitor is derived from said shared peripheral bus;  
13          a compression unit in said host computer for compressing said portion of  
14 said display for transmission to said second monitor;  
15          a video driver in said host computer for providing a separate window of a  
16 display to said second monitor and not to said first monitor.

1           16. The system of claim 15 wherein said shared peripheral bus is a  
2 universal serial bus.

1           17. The system of claim 15 further comprising a software operating  
2       system controlling said first computer, said operating system controlling the transmission  
3       of video data to said second monitor.

1           18. An apparatus comprising:  
2       a second display screen for connection to a host computer having a first  
3       display screen, said second display screen being smaller than said first display screen;  
4       a display controller coupled to said second display screen;  
5       a video memory coupled to said display controller; and  
6       a bus interface, coupled to said video memory, for providing an interface  
7       with a shared peripheral bus.

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